

HDO® 1,6-Hexanediol Flakes LowPCF

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Chemical and Physical

Properties

HDO® 1,6-Hexanediol is a colorless solid at room temperature (~20 °C). It is soluble in ethanol, miscible in water and hygroscopic.

Synonyms

Hexane-1,6-diol
Hexylene glycol
Hexamethylene glycol
1,6-Dihydroxyhexane

Chemical Structure



Formula

C₆H₁₄O₂

CAS No.

629-11-8

PRD

30036627

Molecular Weight

118.2

Hydroxyl Number

951

Product Specification

Assay ¹ (% , min.)	96.0	GC
1,6-Hexanediol (% , min.)	99.0	GC
1,4-Cyclohexanediol (% , max.)	3.0	GC
Water (% , max.)	0.3	DIN 51 777
Color (APHA, max.)	15	DIN EN 1557
Acid number (mg KOH/g max.)	0.1	DIN EN ISO 2114

¹Assay is on a water free basis

Physical Data

Density @ 50°C (g/cm ³)	0.96
Flash Point [closed cup], °C	147
Melting Point, °C	42
Boiling Point, °C	253-260
Autoignition Temperature, °C	320

Applications

HDO® 1,6-Hexanediol is a bifunctional alcohol used in the synthesis of the following products:

- Resins, such as polyurethanes and polyesters
- Polyols, such as polyesters and polycarbonates
- Plasticizers

Packaging

Bags, 25 Kg

Storage & Handling

Always refer to the Safety Data Sheet (SDS) for detailed information on handling and disposal.

Safety

Always refer to the Safety Data Sheet (SDS) for detailed information on safety.

Note

The safety data given in this publication is for information purposes only and does not constitute a legally binding Safety Data Sheet (SDS).

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